

6th Grade Earth Science Semester 1 Exam Study Guide

S6E5 a. Compare and contrast the Earth's crust, mantle, and core including temperature, density, and composition.

1. Describe the state of matter and composition of the mantle (for all 3 layers). **Crust: solid rock, mostly granite and basalt; Mantle: Solid and liquid rock; Core: outer core is liquid iron and nickel, inner is solid iron and nickel**
2. Which layer of earth is made up of tectonic plates? **lithosphere**
3. How do we know what the inside of the earth looks like and what it is made of? **By recording and studying seismic waves**
4. What happens to the earth's pressure the deeper you go into the earth? **It increases**
5. **The Outer Core** is responsible for making the earth's magnetic field.
6. The core is mostly made up of **iron & nickel**
7. Describe the difference between the core and the mantle in terms of temperature and density: **the core has higher temperatures and density**

S6E5 b. Investigate the contribution of minerals to rock composition.

8. What are minerals made of? **elements**
9. What do all minerals have in common? **inorganic, solid, naturally formed, crystal structure, unique make-up/composition**
10. True or **False**: Minerals are or once were organic.
11. Define the following terms as they relate to minerals:
Streak: **the color of the mineral in its powdered form**
Luster: **way the mineral reflects light (metallic, dull, glassy, etc)**
Cleavage: **tendency of a mineral to break in smooth pattern**
Fracture: **tendency of a mineral to break in a rough and jagged manner**

Mineral	Hardness	Way it breaks	Luster	Streak	Color
Galena	2.5	cleavage	metallic	gray-black	silver, gray
Magnetite	6	fracture	metallic	black	black
Hematite	6	fracture	metallic-dull	red-brown	red-brown, silver, black

12. Use the chart above to answer this question: Susan wants to identify a dark, heavy mineral sample she found in the classroom collection. She notices there are three minerals in a chart in a reference book that might match her sample. Susan next observes that her sample mineral has flat, reflective surfaces that break into boxlike steps. She infers the mineral may be galena. If she is correct, one more test will verify her inference. Which property would be best for her to observe next? **hardness**

S6E5 c. Classify rocks by their process of formation.

13. What is the difference between intrusive and extrusive? **Intrusive is formed inside the earth by the cooling of magma; extrusive is formed outside the earth by the cooling of lava**
14. How do each of the following rock types form?
Sedimentary: **WEDOC**
Metamorphic: **heat and /or pressure**
Igneous: **melting and cooling of magma/lava**
15. Why do some igneous rocks have holes? **Bubbles of air were trapped in the rock when it cooled**
16. Tell about the traits that are unique to each type of rock:
Sedimentary: **breaks easily/ crumbly, fossils, layers, pebbles are visible**
Metamorphic: **small crystals, bands**
Igneous: **smooth and glassy, gas bubble holes, large crystals**

S6E5 f. Explain the effects of physical processes (plate tectonics, erosion, deposition, volcanic eruption, gravity) on geological features including oceans (composition, currents, and tides).

17. Tectonic plates are found in which layer of earth? **lithosphere**

6th Grade Science Study Guide Answers

M Mark



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minutes long. The song - backing track ... TIDDALIK THE FROG Tiddalik was a large frog, the largest frog ever known. SONG: No. 1. ONCE LONG ... MR WOMBAT (Spoken over the music of the verses.) Gather round my friends. I ... Froggy Fun - Music Connections Recommends... Nov 1, 2007 — A little pig makes up a new song, and can't find anyone to share it with, until he meets a frog who likes to sing and make up songs too. Infant Music at Home 17 Learn to sing a song about Tiddalik the Frog with BBC Teach. This is based on a traditional Aboriginal "dreamtime" story from Australia. ... Tiddalik is so ... Tiddalik the frog Aria from the Notebook for Anna Magdalena by J.S. Bach Arranged for Band - MP3. Created by. Vinci eLearning. Tiddalick the Frog - Dreamtime Oct 29, 2018 — We'll share a dream and sing with one voice "I am, you are, we are Australian". I'm a teller of stories. I'm a singer of songs. I am Albert ... Musical Childhoods: Explorations in the pre-school years Introduction to Digital Culture:... by Nicholas, Tessa Joseph Introduction to Digital Culture: Living and Thinking in an Information Age brings together essays on the phenomenon of the Internet and its influence on the ... Introduction to Digital Culture : Living and Thinking in an ... In a series of accessible readings, this unique anthology explores the ways in which the everyday use of digital media shapes our lives and culture. The essays ... Introduction To Digital Culture Living And Thinking In An ... Are you searching for an extensive. Introduction To Digital Culture Living And. Thinking In An Information Age summary that checks out the significant ... Introduction To Digital Culture Living And Thinking In An ... Invite to our comprehensive publication testimonial! We are delighted to take you on a literary journey and study the depths of Introduction To Digital. Introduction to Digital Culture Living and Thinking in an ... Introduction to Digital Culture : Living and Thinking in an Information Age. Author. Tessa Joseph-Nicholas. Item Length. 9in. Publisher. Cognella, Inc. Item ... Introduction to Digital Culture Living and Thinking ... The essays examine various perspectives on topics relevant to students including online identity, the ethics of online presence, video games and online role- ... Introduction to Digital Culture : Living and Thinking in an Infor Quantity. 1 available ; Item Number. 276155095185 ; Book Title. Introduction to Digital Culture : Living and Thinking in an Infor ; ISBN. 9781609271503 ; Accurate ... Introduction to Digital Culture Introduction to Digital Culture: Living and Thinking in an Information Age · Books Related to This Book · Expographic. Digital Culture (DIGC) < University of Pennsylvania DIGC 2200 Design Thinking for Digital Projects. Design thinking as a strategy and toolkit is usually defined as having five stages: Empathize, Define the ... SIDE MOOC: Introduction to Digital Culture - YouTube